In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1.   (Currently Amended) A communication control apparatus ~~for dividing one network into a first segment and a second segment~~, comprising:

a first port ~~connected~~ which connects to ~~said~~ a first segment of a network;

a second port ~~connected~~ which connects to a ~~said~~ second segment of the network;

a CIP header detecting unit adapted to detect whether or not an isochronous packet received by said first port includes a CIP (common isochronous packet) header ~~conforms~~ conforming to IEC 61883 standard; and

a control unit adapted to ~~control to cause~~ determine, using the CIP header, whether or not to allow relaying the isochronous packet received by said first port ~~not to be relayed~~ to said second port, if it is detected by said CIP header detecting unit that the isochronous packet received by said first port includes the CIP header.

Claim 2.   (Currently Amended) A communication control apparatus according to claim 1, wherein ~~if it is detected that the isochronous packet received by said first port includes the CIP header, said control unit controls to replace the isochronous packet received by said first port with another isochronous packet and then to relay said another isochronous packet to said second port~~ if relaying the isochronous packet received by said first port to said second port is not allowed, said control unit controls to provide another isochronous packet to the second port in lieu of the isochronous packet received by said first port.

Claim 3.   (Currently Amended) A communication control apparatus according to claim 2, wherein ~~said another~~ the other isochronous packet includes one of dummy data, ~~or~~ and null data.

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Claim 4.   (Cancelled)

Claim 5.   (Cancelled)

Claim 6.   (Cancelled)

Claim 7.   (Canceled)

Claim 8.   (Cancelled)

Claim 9.   (Cancelled)

Claim 10.   (Previously Presented)   A communication control apparatus according to claim 1, wherein said first and second ports conform to the IEEE 1394—1995 standard.

Claim 11.   (Currently Amended)   A method ~~performed by~~ of controlling a communication control apparatus, ~~for dividing one network into a first segment and a second segment, and~~ the communication control apparatus includes a first port ~~connected~~ which connects to ~~said~~ a first segment of a network and a second port ~~connected~~ which connects to ~~said~~ a second segment of the network, the method comprising the steps of:

detecting whether or not an isochronous packet received by ~~said~~ the first port includes a CIP (common isochronous packet) header ~~conforms~~ conforming to IEC 61883 standard; and

~~controlling to cause~~ determining, using the CIP header, whether or not to allow relaying the isochronous packet received by ~~said~~ the first port ~~not to be relayed~~ to ~~said~~ the second port, if it is detected in the detecting step that the isochronous packet received by ~~said~~ the first port includes the CIP header.

Claim 12.   (Currently Amended) A method according to claim 11, further comprising a step of:

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~~if it is detected that the isochronous packet received by said first port includes the CIP header, controlling to replace the isochronous packet received by said first port with another isochronous packet and then to relay said another isochronous packet to said second port~~ if relaying the isochronous packet received by said first port to said second port is not allowed, providing another isochronous packet to the second port in lieu of the isochronous packet received by the first port.

Claim 13.   (Currently Amended) A method according to claim 12, wherein ~~said another~~ the other isochronous packet includes one of dummy data, ~~or~~ and null data.

Claim 14.   (Canceled)

Claim 15.   (Currently Amended) A method according to claim 11, wherein ~~said~~ the first and second ports conform to the IEEE 1394-1995 standard.

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